

*E1 (con't)*

dry porous carrier; and a second labeled specific binding reagent comprising a particulate label portion and a binding portion specific for the second analyte, wherein said second labeled specific binding reagent and said second immobilized specific binding reagent combine with the second analyte, if present, to form an immobilized and directly-detectable product in the second detection zone, said second labeled specific binding reagent being contained in the macroporous body.

*C27*

63. (amended) The device of claim 45, wherein the device further comprises a second immobilized specific binding reagent which binds specifically to a second analyte, said second immobilized specific binding reagent being immobilized in a second detection zone on or in the dry porous carrier; and a second labeled specific binding reagent comprising a particulate label portion and a binding portion specific for the second analyte, wherein said second labeled specific binding reagent and said second immobilized specific binding reagent combine with the second analyte, if present, to form an immobilized and directly-detectable product in the second detection zone, said second labeled specific binding reagent being contained in the macroporous body.

84. (twice amended) A device for analyzing a liquid sample suspected of containing an analyte, comprising a housing, having disposed therein:

- C37*
- (a) a porous carrier comprising a detection zone;
  - (b) a capture reagent *immobilized* effective to capture analyte in the detection zone, said capture occurring after the liquid sample has been applied to the device if said analyte is present in the liquid sample;
  - (c) a labeled binding reagent comprising a particulate label portion and a binding portion, wherein said labeled binding reagent and said capture reagent *combine with* analyte, if present, to form an immobilized and directly-detectable product in the detection zone; and
- specifically bind to the*

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(cont'd)

(d) a macroporous body disposed such that a liquid sample applied to the macroporous body will flow along a flow path extending from the macroporous body and into the porous carrier at a location separated from the detection zone, wherein the macroporous body contains the labeled binding reagent, said labeled specific binding reagent being freely mobile within the macroporous body when the macroporous body is wetted with the liquid sample.

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E47

87. (twice amended) In a device for detection of an analyte in a sample, in which a liquid sample is applied to a porous carrier comprising a detection zone and a sandwich complex is formed in the detection zone when analyte is present, said sandwich complex comprising a labeled binding reagent, the analyte and an immobilized capture reagent, the improvement wherein the device further comprises a macroporous body disposed such that a liquid sample applied to the macroporous body will flow along a flow path extending from the macroporous body and into the porous carrier at a location separated from the detection zone, wherein the macroporous body contains the labeled binding reagent, said labeled binding reagent being freely mobile within the macroporous body when the labeled binding reagent in the macroporous body is wetted with the liquid sample.

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88. (amended) A device for analyzing a liquid sample suspected of containing an analyte, comprising:

- E57
- (a) a porous carrier comprising a detection zone;
  - (b) a capture reagent effective to capture analyte in the detection zone, said capture occurring after the liquid sample has been applied to the device if said analyte is present in the liquid sample;

(c) a labeled binding reagent comprising a particulate label portion and a binding portion, wherein said labeled binding reagent and said capture reagent combine with analyte, if present, to form an immobilized and directly-detectable product in the detection zone; and

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(cont)

(d) a macroporous body disposed such that a liquid sample applied to the macroporous body will flow along a flow path extending from the macroporous body and into the dry porous carrier at a location separated from the detection zone, wherein the macroporous body contains the labeled binding reagent, said labeled specific binding reagent being freely mobile within the macroporous body when the macroporous body is wetted with the liquid sample.

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Please add claims 89-102 as follows:

89. The device of claim 84, further comprising a porous sample receiving member, said sample receiving member being disposed along the flow path such that a sample applied to the sample receiving member flows sequentially from the sample receiving member, through the macroporous body and into the dry porous carrier.

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90. The device of claim 89, wherein the sample receiving member extends from the inside of the housing to the exterior of the housing.

91. The device of claim 84, wherein the analyte is human chorionic gonadotropin (hCG), and the capture reagent and the labeled binding reagent each bind to hCG.

92. The device of claim 84, wherein the macroporous body has a liquid capacity which is at least equal to the liquid capacity of the working portion of the dry porous carrier, said working portion extending from the location where the flow path enters the dry porous carrier to the detection zone.

93. The device of claim 84, wherein the macroporous body and the porous carrier each have two major surfaces and wherein the flow path is substantially planar and parallel to the major surfaces of macroporous body and the porous carrier.

94. The device of claim 93, wherein the macroporous body and the porous carrier overlap at their adjacent ends.

95. The device of claim 84, further comprising a non-specific control reagent disposed in a control zone of the dry porous carrier, said control reagent capturing the labeled binding reagent to produce a detectable product in the control zone in the presence or absence of analyte in an applied sample.

96. The device of claim 88, wherein the analyte is human chorionic gonadotropin (hCG), and the capture reagent and the labeled binding reagent each bind to hCG.

97. The device of claim 88, wherein the macroporous body has a liquid capacity which is at least equal to the liquid capacity of the working portion of the dry porous carrier, said working portion extending from the location where the flow path enters the dry porous carrier to the detection zone.

98. The device of claim 88, wherein the macroporous body and the porous carrier each have two major surfaces and wherein the flow path is substantially planar and parallel to the major surfaces of macroporous body and the porous carrier.

99. The device of claim 98, wherein the macroporous body and the porous carrier overlap at their adjacent ends.

100. The device of claim 88, wherein the porous carrier is nitrocellulose.